

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**POWER OF ATTORNEY**  
**(Statement Under 37 C.F.R. § 3.73(b))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

BALLARD SPAHR ANDREWS  
& INGERSOLL, LLP  
Customer Number 23859

Sir:

Global Tungsten & Powers Corp., is the owner of the entire right, title, and interest in the patent applications and granted patents listed in Appendix A, as evidenced in the assignment records of the United States Patent and Trademark Office, specifically in the assignment of patent rights from Osram Sylvania Inc. ("Osram") to Global Tungsten, LLC ("GTLLC"), as recorded at Reel 021744, Frame 0231; the subsequent assignment by Osram of all right, title, and interest in GTLLC to Global Tungsten & Powders Corp. ("GTP"), as recorded at Reel 021744, Frame 0744; and in the Certificate of Merger between GTLLC and GTP, as recorded at Reel 021763, Frame 0241.

As a representative authorized to act on behalf of the Assignee(s), I/we hereby revoke all Powers of Attorney heretofore given and grant Power of Attorney to the attorneys/agents associated with the following Customer Number:

**Customer No. 23859**


to represent Assignee(s) in connection with all matters pertaining to the above-referenced application, with full power of substitution, association and revocation, to prosecute said application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

**Power of Attorney**  
**Global Tungsten & Powders Corp.**  
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Address all correspondence to the address of record for Customer Number:

**Customer No. 23859**

Global Tungsten & Powders Corp.

By: 

Name: Robert J. Fillnow

Title: President & CEO

Date: November 24, 2008

## Appendix A

### List of Pending Patent Applications and Granted Patents for Power of Attorney by Global Tungsten & Powders Corp.

| <b>Attorney<br/>Docket<br/>Number</b> | <b>Application<br/>Serial No.</b> | <b>Application<br/>Filing Date</b> | <b>Patent<br/>Number</b> | <b>Patent<br/>Grant Date</b> |
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| 07194.0001U3                          | 07/788766                         | 10/21/1991                         | 5244750                  | 9/14/1993                    |
| 07194.0002U1                          | 07/262633                         | 10/26/1988                         | 4999169                  | 3/12/1991                    |
| 07194.0006U2                          | 07/462922                         | 1/11/1990                          | 5009808                  | 4/23/1991                    |
| 07194.0009U3                          | 07/704681                         | 5/17/1991                          | 5124091                  | 6/23/1992                    |
| 07194.0010U1                          | 07/293030                         | 1/3/1989                           | 4990195                  | 2/5/1991                     |
| 07194.0011U1                          | 07/293031                         | 1/3/1989                           | 5145512                  | 9/8/1992                     |
| 07194.0012U1                          | 07/303599                         | 1/27/1989                          | 4925593                  | 5/15/1990                    |
| 07194.0013U1                          | 07/362721                         | 6/7/1989                           | 4929386                  | 5/29/1990                    |
| 07194.0014U1                          | 07/362717                         | 6/7/1989                           | 4929384                  | 5/29/1990                    |
| 07194.0015U3                          | 07/790120                         | 11/12/1991                         | 5173108                  | 12/22/1992                   |
| 07194.0016U1                          | 07/308507                         | 2/10/1989                          | 4983354                  | 1/8/1991                     |
| 07194.0017U1                          | 07/384199                         | 7/24/1989                          | 4886638                  | 12/12/1989                   |
| 07194.0018U1                          | 07/416199                         | 10/2/1989                          | 4925702                  | 5/15/1990                    |
| 07194.0019U1                          | 07/311261                         | 2/16/1989                          | 4933152                  | 6/12/1990                    |
| 07194.0020U1                          | 07/341887                         | 4/24/1989                          | 4925594                  | 5/15/1990                    |
| 07194.0021U1                          | 07/405707                         | 9/11/1989                          | 4902471                  | 2/20/1990                    |
| 07194.0022U1                          | 07/405708                         | 9/11/1989                          | 4965116                  | 10/23/1990                   |
| 07194.0023U1                          | 07/504476                         | 4/4/1990                           | 4966710                  | 10/30/1990                   |
| 07194.0024U1                          | 07/459504                         | 1/2/1990                           | 5231123                  | 7/27/1993                    |
| 07194.0025U1                          | 07/599527                         | 10/18/1990                         | 5137665                  | 8/11/1992                    |
| 07194.0026U1                          | 08/936445                         | 9/24/1997                          | 5958295                  | 9/28/1999                    |
| 07194.0027U1                          | 07/459891                         | 1/2/1990                           | 4970024                  | 11/13/1990                   |
| 07194.0027U2                          | 07/563133                         | 8/6/1990                           | 5009807                  | 4/23/1991                    |
| 07194.0028U1                          | 07/481550                         | 2/20/1990                          | 4938890                  | 7/3/1990                     |
| 07194.0029U1                          | 07/579518                         | 9/10/1990                          | 5007957                  | 4/16/1991                    |
| 07194.0030U1                          | 07/579519                         | 9/10/1990                          | 5045277                  | 9/3/1991                     |
| 07194.0031U1                          | 07/527456                         | 5/23/1990                          | 5063021                  | 11/5/1991                    |
| 07194.0032U1                          | 07/600376                         | 10/19/1990                         | 5064462                  | 11/12/1991                   |
| 07194.0033U1                          | 08/271569                         | 5/26/1992                          | 5932184                  | 8/3/1999                     |
| 07194.0034U1                          | 07/616976                         | 11/20/1990                         | 5244156                  | 9/14/1993                    |
| 07194.0035U1                          | 07/811274                         | 12/20/1991                         | 5185030                  | 2/9/1993                     |
| 07194.0036U1                          | 07/695837                         | 5/6/1991                           | 5273726                  | 12/28/1993                   |
| 07194.0037U1                          | 07/678515                         | 4/1/1991                           | 5110499                  | 5/5/1992                     |
| 07194.0038U1                          | 07/710851                         | 6/6/1991                           | 5126104                  | 6/30/1992                    |
| 07194.0039U1                          | 07/968902                         | 10/30/1992                         | 5271911                  | 12/21/1993                   |

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| 07194.0040U1                          | 07/999634                         | 12/31/1992                         | 5269966                  | 12/14/1993                   |
| 07194.0041U1                          | 07/999241                         | 12/31/1992                         | 5273774                  | 12/28/1993                   |
| 07194.0041U2                          | 08/135044                         | 10/12/1993                         | 5309071                  | 5/3/1994                     |
| 07194.0042U1                          | 08/547183                         | 10/24/1995                         | 5582768                  | 12/10/1996                   |
| 07194.0043U1                          | 07/999243                         | 12/31/1992                         | 5294368                  | 3/15/1994                    |
| 07194.0043U2                          | 08/198333                         | 2/18/1994                          | 5431851                  | 7/11/1995                    |
| 07194.0044U1                          | 07/976734                         | 11/16/1992                         | 5376329                  | 12/27/1994                   |
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| 07194.0046U2                          | 08/502203                         | 7/13/1995                          | 5897962                  | 4/27/1999                    |
| 07194.0047U1                          | 08/012095                         | 2/1/1993                           | 5306441                  | 4/26/1994                    |
| 07194.0048U1                          | 08/359803                         | 12/20/1994                         | 5578285                  | 11/26/1996                   |
| 07194.0049U1                          | 08/390732                         | 2/17/1995                          | 5690716                  | 11/25/1997                   |
| 07194.0049U2                          | 08/628222                         | 4/4/1996                           | 5603076                  | 2/11/1997                    |
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| 07194.0051U1                          | 08/362024                         | 12/22/1994                         | 5468457                  | 11/21/1995                   |
| 07194.0052U1                          | 08/361415                         | 12/22/1994                         | 5470549                  | 11/28/1995                   |
| 07194.0053U1                          | 08/538559                         | 10/3/1995                          | 5641580                  | 6/24/1997                    |
| 07194.0053U2                          | 08/865952                         | 5/30/1997                          | 6376103                  | 4/23/2002                    |
| 07194.0054U1                          | 08/565334                         | 11/30/1995                         | 5635146                  | 6/3/1997                     |
| 07194.0055U1                          | 08/559903                         | 11/17/1995                         | 6103392                  | 8/15/2000                    |
| 07194.0056U1                          | 08/637023                         | 4/24/1996                          | 5711898                  | 1/27/1998                    |
| 07194.0057U1                          | 08/637146                         | 4/24/1996                          | 5702643                  | 12/30/1997                   |
| 07194.0058U1                          | 08/628213                         | 4/4/1996                           | 5643496                  | 7/1/1997                     |
| 07194.0059U1                          | 08/735769                         | 10/23/1996                         | 5716546                  | 2/10/1998                    |
| 07194.0060U1                          | 08/646780                         | 5/21/1996                          | 5609792                  | 3/11/1997                    |
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| 07194.0068U1                          | 08/784159                         | 1/15/1997                          | 5956560                  | 9/21/1999                    |
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| 07194.0071U1                          | 09/215481                         | 12/18/1998                         | 6113808                  | 9/5/2000                     |
| 07194.0072U2                          | 09/175787                         | 10/20/1998                         | 6064150                  | 5/16/2000                    |
| 07194.0072U3                          | 09/861190                         | 5/18/2001                          | 6509058                  | 1/21/2003                    |

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| 07194.0074U1                          | 09/027837                         | 2/23/1998                          | 5996393                  | 12/7/1999                    |
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| 07194.0076U1                          | 09/046706                         | 3/24/1998                          | 6022395                  | 2/8/2000                     |
| 07194.0077U1                          | 09/247745                         | 2/9/1999                           | 6051196                  | 4/18/2000                    |
| 07194.0078U3                          | 09/690222                         | 10/17/2000                         | 6686043                  | 2/3/2004                     |
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| 07194.0080U1                          | 09/150916                         | 9/10/1998                          | 5938974                  | 8/17/1999                    |
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| 07194.0083U1                          | 09/327029                         | 6/7/1999                           | 6214257                  | 4/10/2001                    |
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| 07194.0087U1                          | 09/630400                         | 8/2/2000                           | 6387299                  | 5/14/2002                    |
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| 07194.0089U2                          | 09/910156                         | 6/20/2001                          | 6623807                  | 9/23/2003                    |
| 07194.0090U2                          | 09/945534                         | 9/1/2001                           | 6555021                  | 4/29/2003                    |
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| 07194.0092U2                          | 09/963964                         | 9/26/2001                          | 6733826                  | 5/11/2004                    |
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| 07194.0096U2                          | 10/631302                         | 7/31/2003                          | 7060648                  | 6/13/2006                    |
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| 07194.0102U2                          | 10/931910                         | 9/1/2004                           | 7300492                  | 11/27/2007                   |
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| 07194.0105U1                          | 10/235243                         | 9/5/2002                           | 6682664                  | 1/27/2004                    |

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| 07194.0106U3                          | 10/639542                         | 8/12/2003                          | 6960556                  | 11/1/2005                    |
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| 07194.0120U2                          | 11/306704                         | 1/9/2006                           |                          |                              |
| 07194.0121U2                          | 11/306705                         | 1/9/2006                           |                          |                              |
| 07194.0122U2                          | 11/306706                         | 1/9/2006                           |                          |                              |
| 07194.0123U1                          | 11/160539                         | 6/28/2005                          | 7244317                  | 7/17/2007                    |
| 07194.0124U2                          | 11/622633                         | 1/12/2007                          |                          |                              |
| 07194.0125U2                          | 11/622523                         | 1/12/2007                          |                          |                              |
| 07194.0126U1                          | 11/462053                         | 8/3/2006                           |                          |                              |
| 07194.0127U1                          | 12/036507                         | 2/25/2008                          |                          |                              |
| 07194.0128U1                          | 61/031709                         | 2/27/2008                          |                          |                              |
| 07194.0129U1                          | 61/031515                         | 2/26/2008                          |                          |                              |
| 07194.0130U1                          | 61/036179                         | 3/13/2008                          |                          |                              |
| 07194.0131U1                          | 61/036118                         | 3/13/2008                          |                          |                              |
| 07194.0132U1                          | 08/935645                         | 9/23/1997                          | 5783106                  | 7/21/1998                    |